



Homeland
Security

S&T Stakeholders Conference

The Way Ahead: “*Buildings*”

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What needs attention

- ▶ Some S&T investment has been on individual components (e.g. 3D-locator and physiological monitor). Components need to be **integrated** into an overall system
- ▶ **Transferability** of code processes and acceptance for man-made hazards, including insurance incentives
- ▶ Continue to **refine requirements** process to ensure a broad representation of end-users and publicize these requirements to industry



Key takeaways

- ▶ Promoting **resilience** may be a potential focus area for a DHS/private sector study group. Need to develop a S&T strategy on resilience and acknowledge best practices at the regional level and apply nationally
- ▶ People look to recent past to predict future. Cities with more risks implement more protective measures. **Maintaining momentum** for protective strategies when we seldom encounter domestic attacks
- ▶ Practices in **other industry areas** may have application to homeland security, for example, “layers of protection analysis” approach from industrial safety that addresses integration of risks, consequences, and mitigation



Future vision

- ▶ Infrastructure:

 - Advanced materials

 - Preventing catastrophic loss

 - Effective monitoring at all times

 - Modeling

- ▶ Preparedness and Response:

 - Integrated first responder tracking and monitoring system

 - Systems to integrate planning and operations

 - Standards

 - Modeling and simulation

- ▶ Geophysical:

 - Wildfire protection for homes

 - Hurricane modification

 - Earthquake prediction



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